

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054517 A2

(51) International Patent Classification⁷: **C12Q 1/68**

98133 (US). DEVOS, Theo [CA/US]; 1208 NE 100th Street, Seattle, WA 98125 (US).

(21) International Application Number:
PCT/US2004/040289

(74) Agents: DAVISON, Barry, L. et al.; 2600 Century Square, 1501 Fourth Avenue, Seattle, Wa 98101-1688 (US).

(22) International Filing Date: 1 December 2004 (01.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03090414.8 1 December 2003 (01.12.2003) EP
04090040.9 10 February 2004 (10.02.2004) EP
04090187.8 10 May 2004 (10.05.2004) EP
04090292.6 21 July 2004 (21.07.2004) EP

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): EPIGENOMICS AG [DE/US]; Kleine Praesidentenstrasse 1, 10178 Berlin (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DAY, Kevin, J. [US/US]; 27954 251st Avenue SE, Maple Valley, WA 98038 (US). COTTRELL, Susan [US/US]; 3509 Meridian Avenue N, Seattle, WA 98103 (US). DISTLER, Jüergen [DE/DE]; Hewaldstr. 2, 10825 Berlin (DE). MOROTTI, Andrew [US/US]; 316 Bellevue Avenue E., #402, Seattle, WA 98102 (US). YAMAMURA, Su [KR/US]; 15349 SE 42nd Street, Bellevue, WA 98006 (US). DEKKER, Sharon [US/US]; 23306 SE 209th Place, Maple Valley, WA 98038 (US). OCAMP, Yreka [US/US]; 13520 Linden Avenue N, Apt. 425, Seattle, WA

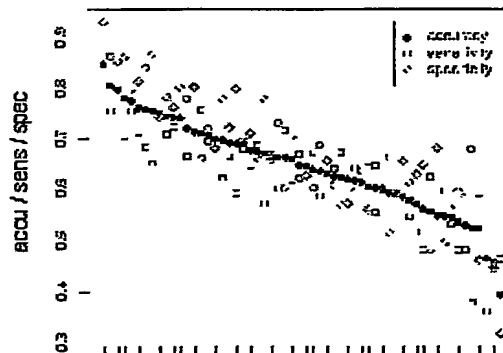
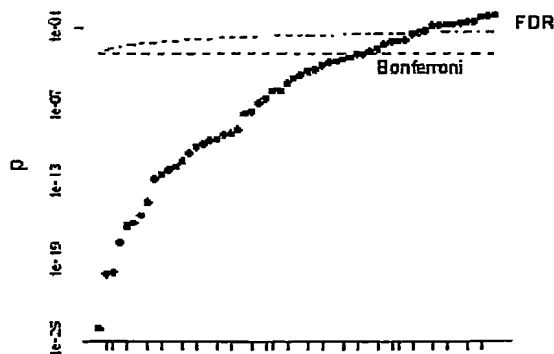
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND NUCLEIC ACIDS FOR THE ANALYSIS OF GENE EXPRESSION ASSOCIATED WITH THE DEVELOPMENT OF PROSTATE CELL PROLIFERATIVE DISORDERS



(57) Abstract: The following application provides methods and nucleic acids for the detection of and/or differentiation between prostate cell proliferative disorders. This is achieved by the analysis of the expression status of a panel of genes, or subsets thereof.